re-run

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	10/501, 6//A
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Date Processed by STIC:	9/10/06
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IFWP

RAW SEQUENCE LISTING DATE: 07/14/2006 PATENT APPLICATION: US/10/501,611A TIME: 14:48:49

Input Set : N:\Crf4\Refhold\10_folder\J50161lA.raw
Output Set: N:\CRF4\07142006\J50161lA.raw

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Loftus, Stacie K.
             The Government of the United States of America
      3
             as represented by The Secretary of the
             Department of Health and Human Services
      6 <120> TITLE OF INVENTION: Alteration of RAB38 Function to Modulate Mammalian
             Pigmentation
      8 <130> FILE REFERENCE: 015280-148100US
C--> 9 <140> CURRENT APPLICATION NUMBER: US/10/501,611A
    10 <141> CURRENT FILING DATE: 2004-07-14
     11 <150> PRIOR APPLICATION NUMBER: US 60/349,929
     12 <151> PRIOR FILING DATE: 2002-01-18
    13 <150> PRIOR APPLICATION NUMBER: WO PCT/US03/01622
     14 <151> PRIOR FILING DATE: 2003-01-17
     15 <160> NUMBER OF SEQ ID NOS: 28
    16 <170> SOFTWARE: PatentIn Ver. 2.1
     18 <210> SEQ ID NO: 1
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     20 <212> TYPE: DNA
     21 <213> ORGANISM: Mus musculus
     22 <220> FEATURE:
    23 <223> OTHER INFORMATION: Rab38 sequence of wildtype allele in C57Bl6/J +/+
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     31 <213> ORGANISM: Mus musculus
     32 <220> FEATURE:
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                                                   10
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1 <110> APPLICANT: Pavan, William J.

RAW SEQUENCE LISTING DATE: 07/14/2006
PATENT APPLICATION: US/10/501,611A TIME: 14:48:49

Input Set: N:\Crf4\Refhold\10_folder\J501611A.raw
Output Set: N:\CRF4\07142006\J501611A.raw

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48
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                                          25
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49
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54 <213> ORGANISM: Rattus norvegicus
55 <220> FEATURE:
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57 <400> SEQUENCE: 4
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58
59
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60
61
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65 <211> LENGTH: 34
66 <212> TYPE: PRT
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68 <220> FEATURE:
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71
72
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74
                      20
                                           25
75
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83 <400> SEQUENCE: 6
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                                               10
86
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87
                      20
                                                               30
                                           25
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89
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92 <211> LENGTH: 45
93 <212> TYPE: PRT
94 <213> ORGANISM: Homo sapiens
95 <220> FEATURE:
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99
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Input Set : N:\Crf4\Refhold\10 folder\J501611A.raw Output Set: N:\CRF4\07142006\J501611A.raw 100 Lys Ile Cys Gln Phe Lys Leu Val Leu Gly Glu Ser Ala Val Gly 101 20 25 Lys Ser Ser Leu Val Leu Arg Phe Val Lys Gly Gln Phe 102 103 40 105 <210> SEQ ID NO: 8 106 <211> LENGTH: 28 107 <212> TYPE: PRT 108 <213> ORGANISM: Homo sapiens 109 <220> FEATURE: 110 <223> OTHER INFORMATION: human N-RAS N-terminal region 111 <400> SEQUENCE: 8 112 Met Thr Glu Tyr Lys Leu Val Val Val Gly Ala Gly Gly Val Gly Lys 113 1 10 114 Ser Ala Leu Thr Ile Gln Leu Ile Gln Asn His Phe 115 117 <210> SEQ ID NO: 9 118 <211> LENGTH: 1439 119 <212> TYPE: DNA 120 <213> ORGANISM: Homo sapiens 121 <220> FEATURE: 122 <223> OTHER INFORMATION: Rab38 cDNA 123 <400> SEQUENCE: 9 124 acatagaget cegggaaaeg teggtgeeca geeeggetg tgetteecag ageaagetee 60 125 aggeteegea agaceegegg geeteeagga tgeagacace teacaaggag cacetgtaca 120 126 agctgctggt gatcggcgac ctgggtgtgg gcaagaccag cattatcaag cgctatgtgc 180 127 accaaaactt ctcctcgcac taccgggcca ccattggtgt ggacttcgcg ctgaaggtgc 240 tccactggga cccagagacg gtggtgcgct tgcagctctg ggacattgct ggtcaagaaa 300 128 129 gatttggaaa catgacaaga gtttattacc gggaagctat gggggcattt attgtttttg 360 130 atgtcaccag accagccaca tttgaagccg tggcaaagtg gaaaaatgat ttggactcaa 420 agitaacgct ccctaatggt aagccagtgt cagtggttct gttggccaac aaatgtgacc 480 131 132 aagggaagga tgtgcttatg aacaatggac tcaagatgga ccagttctqc aaggagcatg 540 133 gettegtagg atggtttgaa acateageea aggaaaacat aaacattgat gaageeteaa 600 134 gatgcctggt caagcacata cttgcaaatg agtgtgacct cctagagtct atagaaccgg 660 135 acattgtgaa gccccatctc acatcgccca aggttgtcag ctgctctggc tgtgccaaat 720 136 cctagaaggc teetetgetg geatatgaca gacagaacce gtggccetca tgaategtge 780 137 ttcagttttt ccttattacc attttgggta agcgtcagga tagggaagca catgtgacaa 840 138 gccaaagata catgactgta tggttcctgt caaagaggaa cagcaaatgt tctttatgtg 900 139 ttttcccacc ccatcagcac agtgtttaca agcttttaaa atattagtct gtcacaatat 960 gctgttttat cattgagcaa agccactcag ggacacagac agccctaata tttgttcctt 1020 140 141 taaatcaaca aaggcttctg gtcttcttga gaaggggaat aacagagcaa ggcagaggtc 1080 142 aagctaagtg tggggatttg tettgeeetg gtgtgtettt gtteaggtat caatttgtte 1140 ccgggtggtc tgataggtct attaaataga aaccattcat ggtagaccta agggttgkct 1200 143 144 gtgatgtttc tcttcagagt cgtgtgcaca ggcagcctgg gcttttgttg tcacttgctg 1260 145 tgccctgaat gctggtttaa ctgaaaactg tatggaaaga tctgctccct gtatgtgcct 1320 146 ttctttcagc ttcctctgac tcaagctgca ggactcttct gtatgtggaa gatatattat 1380 147 atatattttt cacaagtgaa aaataaaaca ttaaaaatgc tgtttccctg tttctgata 1439 149 <210> SEQ ID NO: 10 150 <211> LENGTH: 291 151 <212> TYPE: DNA

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/501,611A

RAW SEQUENCE LISTING DATE: 07/14/2006
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Input Set : N:\Crf4\Refhold\10_folder\J501611A.raw
Output Set: N:\CRF4\07142006\J501611A.raw

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153 <220> FEATURE:
154 <223> OTHER INFORMATION: Rab38 exon 1 and surrounding intron sequence
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156
157
         aggeteegea agaecegegg geeteeagga tgeagaeace teacaaggag cacetgtaca 120
158
          agetgetggt gateggegae etgggtgtgg geaagaceag cattateaag egetatgtge 180
159
          accaaaactt ctcctcgcac taccgggcca ccattggtgt ggacttcgcg ctgaaggtgc 240
         tecaetggga cecagagaeg gtggtgeget tgeagetetg ggacattget g
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163 <211> LENGTH: 281
164 <212> TYPE: DNA
165 <213> ORGANISM: Homo sapiens
166 <220> FEATURE:
167 <223> OTHER INFORMATION: Rab38 exon 2
168 <400> SEQUENCE: 11
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170
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171
          tggactcaaa gttaacgctc cctaatggta agccagtgtc agtggttctg ttggccaaca 180
172
          aatgtgacca agggaaggat gtgcttatga acaatggact caagatggac cagttctgca 240
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176 <211> LENGTH: 868
177 <212> TYPE: DNA
178 <213> ORGANISM: Homo sapiens
179 <220> FEATURE:
180 <223> OTHER INFORMATION: Rab38 exon 3 and surrounding intron sequence
181 <400> SEQUENCE: 12
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          gtgtgacctc ctagagtcta tagaaccgga cattgtgaag ccccatctca catcgcccaa 120
184
          ggttgtcagc tgctctggct gtgccaaatc ctagaaggct cctctgctgg catatgacag 180
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          tgtgtctttg ttcaggtatc aatttgttcc cgggtggtct gataggtcta ttaaatagaa 600
191
192
          accattcatg gtagacctaa gggttgkctg tgatgtttct cttcagagtc gtgtgcacag 660
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194
          atggaaagat ctgctccctg tatgtgcctt tctttcagct tcctctgact caagctgcag 780
195
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198 <210> SEQ ID NO: 13
199 <211> LENGTH: 45
200 <212> TYPE: DNA
201 <213> ORGANISM: Artificial Sequence
202 <220> FEATURE:
203 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic TYRP15'T3F DNA
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RAW SEQUENCE LISTING DATE: 07/14/2006 PATENT APPLICATION: US/10/501,611A TIME: 14:48:49

Input Set : N:\Crf4\Refhold\10_folder\J501611A.raw
Output Set: N:\CRF4\07142006\J501611A.raw

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209 <212> TYPE: DNA
210 <213> ORGANISM: Artificial Sequence
211 <220> FEATURE:
212 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic TYRP15'T7R DNA
213 <400> SEQUENCE: 14
                                                                             45
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217 <211> LENGTH: 47
218 <212> TYPE: DNA
219 <213> ORGANISM: Artificial Sequence
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Description of Artificial Sequence:synthetic MLSN R T7 DNA
222 <400> SEQUENCE: 15
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227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
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236 <212> TYPE: DNA
237 <213> ORGANISM: Artificial Sequence
238 <220> FEATURE:
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241 <400> SEQUENCE: 17
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246 <212> TYPE: DNA
247 <213> ORGANISM: Artificial Sequence
248 <220> FEATURE:
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 256 <212> TYPE: DNA
 257 <213> ORGANISM: Artificial Sequence
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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/501,611A

DATE: 07/14/2006
TIME: 14:48:50

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DATE: 07/14/2006 TIME: 14:48:50

PATENT APPLICATION: US/10/501,611A

L:9 M:270 C: Current Application Number differs, Wrong Format

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